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To: History Coordinators
Forest Service Personnel

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100th Anniversary of Hough's Appeal.--The historic forest preservation speech of Franklin B. Hough, M.D., to the American Association for the Advancement of Science (at its 22nd annual meeting in Portland, Maine) was delivered just a century ago, in the third week of August 1873. It was entitled, "On the Duty of Governments in the Preservation of Forests," and had just the effect Hough had hoped for. It led to establishment of the Federal Forest Reserves, 27 years later, and to permanent and steadily increasing Federal and State concern with forestry. He was a historian, naturalist, and statistician as well as a physician who had served in the Civil War, and had superintended the Census in New York State before becoming Director of the U.S. Census in 1870. In this work, he became aware of and deeply concerned by the widespread devastation of fires and careless logging throughout the East and Great Lakes States at that time. Others had cried out against this destruction to State legislatures and to Congress with little result. Hough decided to enlist the prestige of the leading scientists of the Nation in this cause for forest protection. He emphasized the relationship of woodland to soil stabilization, to maintenance of streamflow, as well as to wood production for domestic and industrial use. His success caused him often to be referred to as the "Father of Forestry in America." This anniversary was noted in the Association's periodical, Science, for August 24, 1973. A portion of the article follows:

> At his suggestion, the AAAS appointed a committee "to memorialize Congress and the several State Legislatures upon the importance of promoting the cultivation of timber and the preservation of forests, and to recommend proper legislation for securing these objects." Nine scientists served on this committee; Hough was chairman. The others were William Henry Brewer of Yale; George B. Emerson of Boston, educator and author of a book on trees; Asa Gray, the nation's leading botanist; Eugene W. Hilgard, soil scientist, of the University of Michigan; Lewis Henry Morgan, anthropologist, of New York, later to become president of the AAAS; John Strong Newberry, botanist and geologist, and Charles Whittlesly, a horticulturist, both of Ohio; and Josiah Dwight Whitney, a geologist of California.

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EXPERIMENT STATION

The committee's memorial was delivered to President U. S. Grant, who, on 19 February 1874, transmitted it to Congress with a special message of approval. There the proposition languished for 2 years. Finally, on 15 August 1876, Congress enacted legislation appropriating $2000 for the appointment to the Department of Agriculture of a man to investigate forest conditions. Hough was selected on 30 August and thus became the federal government's first forestry agent. From his appointment evolved the present Forest Service, with its nationwide network of forest and range experiment stations and forestry and wood science laboratories, its thousands of professional and scientific personnel, and its 187 million acres of national forests managed in the public interest.

On this centennial anniversary, it is appropriate to recall the extraordinary influence of Hough's paper, presented as a private citizen before a small assemblage of scientists. Historically, it is appropriate also to acknowledge the energizing role of the AAAS in starting forestry work on a national scale in the United States government.—HENRY CLEPPER,

(The author of the preceding excerpt, who was long executive secretary and editor-in-chief, Society of American Foresters, now directs the Centennial History Project for the American Forestry Association, which celebrates its 100th anniversary in 1975. SAF will mark its 75th anniversary in that year.)

Third Birthday of History Office.--The History Office was three years old in August. We have prepared a short article on this for Southern Lumberman magazine. A memo from former Chief Ed Cliff to the field dated August 24, 1970, announced formal establishment of the History Office. It also notes that the beginning of a history effort had occurred more than two years earlier by a committee headed by Gordon Fox, former Associate Deputy Chief, now retired. A memo of September 11, 1968, from Ed Cliff to the field, asked for orderly care of historical materials, and for a summary and inventory of historial materials on hand. Much was revealed from the response to this request, but now that more is being done at all levels, more details are needed.

History Society Seeks Members.--The Forest History Society is marking its 25th anniversary this year, and is seeking to increase the professionals in forestry and related disciplines among its members. The Society is dedicated to preserve and publish the record of Man's experience in the management, use, and conservation of the forests of North America. It is building up its own library and has become the official depository for the records of the Society of American Foresters. Its staff is compiling histories for the Forest Service. Individual membership is $10. The Forest History Society's address is: Box 1581, Santa Cruz, California 95060.

Search for Historical Materials.--The History Office has just begun a comprehensive search for the locations of important Forest Service historical materials, in both public and private collections. Although a great deal of records and miscellaneous papers are known to be located in such places as National Archives, regional Federal Records Centers, Library of Congress, National Agricultural Library, Conservation Library (Denver), various university libraries, numerous Forest Service offices, etc., the location of much material is not known or known only to a few people, and there is no comprehensive detailed record of just what is where. Research for the compilation of a history of the Shelterbelt Project and a history of the Forest Service has turned up previously unknown sources, and has shown the need for a complete record of the locations of all categories of historical materials, in order to make the task of future historians and writers less onerous. The Forest History Society recently informed us that they feel the need to have a file of current maps, descriptive materials, and copies of published and unpublished histories of each of the National Forests. The current survey should show how much material is available.

The Agricultural History Office of the U.S. Department of Agriculture in Washington, D.C., is conducting this survey and will compile a catalog of sources. Their researcher, Tom Fulton, has already written to various Forest Service headquarters offices, including Forests. Such a reference volume will be of great benefit to our agency as well as to all researchers in the fields of forestry and natural resources. All unit history coordinators should be aware of this survey and assist in any way practicable to make it complete for the units in which they are located. Retirees can also be of great assistance. If you know of any private collections, please inform the History Branch.

National Archives Inventory of Forest Service Records.--One of the few existing compilations of Forest Service records on hand in a depository is that of the National Archives, published in 1969. It gives descriptions of all the types of records, by office and dates, on hand as of July 19, 1967. These records are from Washington Office divisions and branches, including the Chief's Office. At that time, records had been received in most cases up to the late 1940's and early 1950's, and amounted to 2,181 cubic feet before the culling process to remove disposable material. Among the many records are reports and clippings of the first convention of the American Forestry Congress in 1882, Forest Supervisors' reports from 1898 to 1904; timber sales records from 1898 to 1905; papers of famed forester Austin Cary; the 1932-44 radio scripts for "Uncle Sam's Forest Rangers" broadcast over the National Farm and Home Hour; the Forestry Division's rain-making experiments of 1892; daily work diaries of rangers and guards from 1906 to 1944; CCC camp records; blister rust control reports; Copeland Report data; homestead grants; land examinations, valuations, and surveys in the Appalachian Mountains, 1901-40, including deeds,

indentures and other title records for land in Bedford, Botetourt and Page Counties, Virginia, from 1772 to 1833; and letters about the Forestry Division's participation in the World Columbian Exposition, 1892-93....A considerable amount of Forest Service WO materials from the 1940's, 1950's, and 1960's still remains at the Record Center in Suitland, Maryland, the important historical matter not completely sorted out. Archives does not plan to issue an updated list soon.

FS Material in Conservation Library at Denver.--Kay Collins has sent us a list of Forest Service items in the library's collection. R-2 I&E has also just sent us a report on this. Included are tape recordings of a number of Forest Service people such as Arthur H. Carhart, and Herbert N. ("Hen") Wheeler, who was an early Forest Supervisor in Colorado and California, and later was a nationwide lecturer for Forest Service; also a few letters and speeches of Gifford Pinchot, many daily work diaries of various Intermountain Region rangers and others, and a large number of old R-2 photos. The Conservation Library also has 27 boxes of newspaper clippings from about 1900 to about 1940, sent from the WO I&E during Chief McArdle's term .....Incidentally, we have learned that the Library of Congress has finally been able to index by topic the vast collection of letters and other papers of Gifford Pinchot which are in its hands. The Archives has a collection of selected records of Pinchot's administration which he used to prepare his partial autobiography and early history of the FS, "Breaking New Ground," and a collection of records from WO and R-6 relating to the Ballinger-Pinchot controversy, 1904-10.

FS History Directive Issued.--The 8-page History Directive, Chapter 1680 (Amendment 41) of the FS Manual, was finally issued and distributed during August to WO and field offices. The regular distribution was to persons officially responsible for records. We also sent copies to each unit's current history coordinatior, and updated our list of these people. Please let us know if you have not received your copy, and we will send it to you. The directive explains objectives and goals, duties at the various levels, organizing unit files, examples of materials to be included, supervision of the program, unit depositories for artifacts, the WO reference shelf, recommended books, reference sources, content and preparation of unit histories, suggested sources of assistance, publicizing local history, making annual summaries, etc. It suggests making good use of volunteers, retirees, students, universities, teachers, historians and local history societies, newspapers, radio and television stations, displays, etc. Field units are cautioned to submit major proposals to the WO History Branch before proceeding on such projects.....Incidentally, FS personnel are urged to ask their local libraries to acquire significant books and references on forestry that they may not already have. See the list under paragraph 1682.1 of the new history directive. To this list should be added Henry Clepper's "Leaders in American Conservation" (New York, 1971), and Leon Shoemaker's "Saga of a Forest Ranger" (about William R. Kreutzer of the Gunnison Forest Reserve, perhaps the first American forest ranger).

Corrections to Brief History of FS.--A few minor word changes and additions should be made to each unit history coordinator's copy of the 7-page double-spaced typed "History of the U.S. Forest Service--a Brief Summary" sent out in July to WO and field offices. On the middle of page 2, the headquarters for the second experiment station is Asheville, North Carolina (not Atlanta). On the middle of page 5, change the line reading "impetus to establishment of State forestry agencies" to read "impetus to growth and strengthening of State forestry agencies". On the same page, end of this paragraph, insert "in" before "1944". Middle of page 6, delete "d" from "salvaged". On page 7, fifth line should read "Land and Water Conservation Fund Act" (not "Fund Conservation"). . . . On the subject of FS history, the History Office would like to obtain a copy of the mimeographed "History of the Forest Service, 1891-1955," written for the 50th anniversary of the agency in 1955 by George Vitas, now Chief of the VIS Branch, WO. A Xerox would be satisfactory.

FS Research History to be Compiled.--A new project of the History Branch is a gathering together of existing historical materials concerning the broad program of research in the Forest Service from its beginnings to the present time, divided into major phases to form a report outlining major trends and accomplishments. This work is expected to be undertaken by former Associate Deputy Chief for Research, Herbert Storey, who recently retired. Historical summaries written at various Stations and field locations, and by individuals, will form a major contribution to this compilation, along with research records and reports.

Dissertation on Land Use Decisions on NFs.--Pat West, a Yale University graduate student of forestry, is undertaking a doctoral thesis which will use as a major base the background of land-use decisions by the Forest Service on the National Forests since 1905. He will aim to trace the application and effects of the ideas and policies of Multiple Use in mediating conflicts among different users, and how public participation has affected decisions. He plans to focus particularly on grazing, timber, and recreation, using this study of FS as a case study to illustrate and support his wider sociological conclusions concerning "Culture, Social Structure and the Environment," which is the title of his work. He will try to uncover the role of basic social processes in reaching the goals of balanced land use and natural resource conservation during a period of rapidly rising conflicting pressures. . . . Also of interest is a study Barry Gordon is making at the Amherst, Massachusetts, unit of Northeastern Station on current urban attitudes toward the forests. And a study on historical urban attitudes is being done by Rowan Rountree at Syracuse University.

More History Books Received.--The following compilations have been received in the History Office:

1. "Recollections" by Clyde P. Fickes, retired R-1 Regional Forester of Missoula, an illustrated 126-page typed offset job published by the RO in May. It is full of interesting incidents of early days dating from

1907 on the Lewis & Clark National Forest.

2. "My Recollections of the First Years in Forest Entomology" by Harry E. Burke, a pioneer forest entomologist. He started work with the new Office of Forest Insect Investigations in USDA's Division of Entomology in 1902 and continued in forest insect work until 1932, retiring in 1934. He was co-author of the book, "Forest Insects," in the American Forestry Series. This 37-page copy, with original photographs pasted in, was loaned to us to make a Xerox copy for our files, and to make copy negatives of the photos. It is the property of A.T. Drooz, who is Principal Entomologist at the Forestry Science Laboratory, Research Triangle Park, North Carolina. The account covers the period up to 1924, starting with the Washington, D.C., headquarters and going to the various field projects and stations in the West.

3. Chapters 2, 3, and 5 of a book on the early FS days in Arizona, being written by Bob Bates, Recreation and Lands, R-3. Chapter 2 recounts the first court test of FS Regulation T-12, which authorized the impoundment of livestock trespassing on NF land. Chapter 3 tells the story of the Coronado Trail, (FH-19, now a part of US-666) first Federal Aid highway in the U.S. Chapter 5 describes the first use of wireless telegraphy (radio) in the FS, used to transmit messages in Morse code from the old Baseline Ranger Station on the Apache N.F., Arizona. It also briefly reviews development of the first portable radio transmitter-receiver in the FS.

4. "History of the Los Padres National Forest" by Robert G. Lancaster, the present Supervisor.

5. A one-page monograph from Region One describing development of one of the first modern bulldozers for roadbuilding, modified by Earl Hall, a FS road construction superintendent in the California Region in 1929. It had an angle blade reversible for side casting and power control by operator to raise and lower the blade. The booklet is entitled, "The Bulldozer; a Pioneer Step in Development of Machines for Forest Road Construction." It includes a photo, engineering drawing, and two letters.

6. The WO Division of Administrative Management has just given us a number of FS published materials, principally related to management studies and reports of the past two decades, including those on size of Forest and Ranger District, law enforcement organization, Service-wide organization, accounting system, personnel programs and systems review, use of engineering skills, research support services, yearly accomplishment reports, computer systems, NF protection and management training. Also, "Historical Forestry Statistics of the U.S.", SB 228, October 1958; "Major Uses of Land in the U.S.", TB 1082, October 1953; "Final Report, The Emergency Rubber Project," Paul H. Roberts, Director, December 1946; "Russian Dandelion: An Emergency Source of Natural Rubber," MP 618, June

1947; and "Establishment and Modification of National Forest Boundaries, a Chronological Record, 1891-1964." Earlier, AM sent us the "Final Report of the CCC" by J.J. McEntee.

7. Another valuable historical book we have on hand by Paul H. Roberts is "Hoofprints on Western Range" (Naylor Co., San Antonio, 1963). Roberts was a veteran FS range official, now deceased, who tells in this book his personal experiences of the early explosive days of FS range administration, a field which he says has probably been and has remained the most difficult of all. . . .We have learned that Bill Voigt, a veteran of the Izaak Walton League, is writing a book entitled, "War Over Western Grass," to be published by Rutgers University Press.

8. Region 6 recently sent us a number of items. ARF K.O. Wilson, Fiscal Management, sent some copies of 1907 fire reports of rangers and guards on the old Washington and Baker Lake Reserves, part of a file he has. Wilson told us that Wally Tower, Air Officer, has papers and diaries of his father, Gordon Tower, who did some of the earliest field examinations of the Reserves, and also his father's notes of the early organization meetings of the Society of American Foresters. Region 6 also sent us three I&E pamphlets: "Taming Our Forests" (how FS manages forests for timber), 1938; "Living and Forest Lands" (a guide for study groups on uses of forests), 1940; and "Our National Forests."

Early FS Landscape Engineering Consultant.--We have learned from Sam Dana, one of the grand old men of American forestry, that the Forest Service hired a landscape engineer on a temporary consulting basis in 1917. He was Frank A. Waugh, professor and later head of horticulture and landscape gardening at Massachusetts Agricultural College (now University of Massachusetts). As cited in Donald N. Baldwin's book, "The Quiet Revolution: the Grass Roots of Today's Wilderness Preservation Movement," Waugh had been asked by Edward A. Sherman, Assistant Chief of the Forest Service, "to make an extended examination of the existing conditions of recreation in the National Forests, with recommendations for methods and general policies." After spending 5 months visiting and conferring with FS personnel in all the western regions (then districts), except Alaska, he prepared two reports which were issued by the FS in 1918. He urged making the resources of the Forests not only more accessible to visitors, but also "intelligible and effective", although he also suggested preserving the "noblest of the Forest landscapes" when this can be done without sacrificing other interests and economic values. He noted that only rarely does recreation interfere with other forest uses. . . .His two booklets are entitled, "Recreation Uses on the National Forests" and "Landscape Engineering in the National Forests." They make interesting reading and are still very pertinent. He said that recreation planning on the Forests demanded the services of landscape specialists. His reports prepared the way for the hiring of Arthur H. Carhart the next year as the first FS landscape engineer. Professor Waugh was given another assignment by the FS in 1922, and again in the early 1930's, before his retirement in 1939. (Baldwin incorrectly places him at Dartmouth.) Copies of the two booklets have been sent to all regions.

Other Books and Projects by FS Retirees.--The "Old Timers News" of Region 4 reveals that Henry M. Shank's "Recollections, 1900-1972", a 157-page paperback, is off the press. It gives his account of experiences in Utah and Idaho, 1921-49, besides much other personal material. . . . Carl G. Krueger, retired Supervisor in the South and West and now living in Coeur d' Alene, Idaho, is setting up a museum in that community. . . . The Sanders County, Montana, Ledger for April 19, carried a lengthy story of the personal experiences of I.V. Anderson, 1918-56.

Historical Items from Retiree Newletters.--According to "Keeping in Contact," Region 1 retiree newsletter, the Anderson article mentioned just above claims that "the first firemen's and lookouts' training school ever held in the FS" was held in the old Trout Creek Ranger Station, June 20-23, 1921. He says it was planned by Harry Lee Baker, then Supervisor of the Kaniksu N.F., and most of the lectures were given by Jack Bowen, fire chief; Ben Saint, District Ranger at Noxon, and Neil Eplin, Ranger-at-Large. It would be interesting to know if there are any other claims for the first such school. . . . The original forest guard station for the neighboring Noxon District is no longer in use and parties interested in taking it over are being sought. Both districts were originally in the old Cabinet N.F., and have just been combined and transferred to the Kootenai N.F. . . . Another page from this R-1 newsletter shows eight old lookout stations of various styles and stages, half with a cupola design, most setting directly on rocky ridgetops. Some are still standing and a few are still in use, according to the editor. . . . In the Region 5 "California Log," the retiree "News and Views" column carries an old photo each issue. On March 2, an early model pickup, with Modoc N.F. Supervisor George Lyons, was shown. On May 15, a FS 1920 patrol biplane at Yreka, Klamath N.F., was pictured. . . . The WO History Office is preparing an article on "Forest Service Firsts", documenting significant developments pioneered by FS personnel. It makes fascinating reading. Copies will be made available to all who are interested. . . . The R-2 newsletter reports that Joe Hartman, of the Rio Grande N.F., is leading a Del Norte, Colorado, citizens' project to rebuild the old Barstow & Sanderson stagecoach station in the city park. It will be a museum of the early days. It's good to see a FS man leading such a worthy local effort. . . . The R-5 Log News & Views column also tells us that two classic style FS uniforms of the 1940's were recently donated to the Cleveland N.F. Employees Welfare Association by retired Supervisor Stan Stevenson.

FS History Coordinators Are Invited to contribute items for use in future issues of HISTORY LINE. We realize that (except for two) you are not historians, but we are sure you have things that many of our readers would like to know about. So, please let's hear from you. We would also like to have your comments, questions, criticisms, corrections, and suggested revisions and additions to the recently issued History amendment to the FS Manual of Regulations. We are compiling and up-to-date list of unit coordinators and hope to publish it in a future issue. By the way, our two history graduates are Sam Freer of Willamette N.F., Oregon, and Sylvia Davis of VIS, RO, Region 8, Atlanta.

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